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**Claims:**

1-5 (canceled )

6-17 (canceled )

- 5 18 (new), A redundant wireless network link connecting two computer networks comprising:
- One RFWL device operating as redundant wireless networking Service Equipment (SE),
- 10 One RFWL device operating as redundant wireless networking Client Equipment (CE),
- one main computer network,
- one client computer network;
- wherein the RFWL device having two separate wireless networking radio units that can communicate with remote corresponding wireless
- 15 networking radios forming a wireless networking sub-link via antenna means,
- wherein the RFWL device having one wired network interface for connecting to wired computer network,
- wherein the RFWL device having running redundant communication
- 20 features means for communicating with remote RFWL device wirelessly,
- wherein said SE and CE each having wired networking port connecting to their each corresponding wired network,
- wherein said SE and said CE communicating to each other forming a
- 25 redundant wireless networking link,
- wherein said SE having two of its wireless networking radio unit working simultaneously,
- wherein said CE having one of its wireless networking radio unit communicating with the said SE, the other one of its wireless

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networking radio unit working at standby mode and will continue communication with the said SE if the first link fails, and whereby said main network and client network communicating to each other wirelessly and redundantly via said redundant wireless networking link.

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19 (new). Method of redundant wireless networking link

providing one redundant wireless networking SE of claim 18 and ready to communicate with two wireless networking channels to remote CEs of claim 18,

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setting up the said CE to communicate with said SE in one channel forming one sub-link,

connecting said SE and CEs to each corresponding wired network with the corresponding wired networking port of each of said SE and CEs,

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running link quality monitoring function means in CE, when link quality monitoring system detects the link quality of said sub-link is below requirement or failed, and

switching said CE to work with the second wireless networking channel and communicate to the second channel of the said SE, communicating said CE continually with said SE, keeping said corresponding wired networks each connecting to said SE and said CE communication without fail.

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20.(new) One point-to-multi-point dual-channel redundant wireless network

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according to claim 18 comprising:

one Service Equipment (SE) of claim 18;

a plurality of Client Equipments (CE) of claim 18;

one main computer network;

a plurality of client computer networks;

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whereby said SE is connecting with one said main computer network with its  
wired network interface,  
whereby said a plurality of CEs are connecting to said a plurality of client  
computer network with each corresponding wired network interface,  
5 wherein said SE wirelessly and redundantly communicating with said a  
plurality of CEs remotely forming one point-to-multi-point dual-channel  
redundant wireless network, and  
whereby said main computer network communicating with the said plurality of  
client computer networks via said point-to-multi-point dual-channel  
10 redundant wireless network formed by the corresponding communicating  
SE and CEs.

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